



PATENT
Customer No. 22,852
Attorney Docket No. 06720.0102-00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
)
Wen-Chung LIU et al.) Group Art Unit: 2631
)
Application No.: 10/618,632) Examiner: Not yet assigned
)
Filed: July 15, 2003)
)
For: ENHANCED WIRELESS)
COMMUNICATION SYSTEM AND)
METHOD THEREOF)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), applicants bring to the attention of the Examiner the documents listed on the attached PTO 1449. This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits for the above-referenced application.

Applicants respectfully request that the Examiner consider the listed documents and indicate that the documents were considered by making appropriate notations on the attached form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission of the listed documents are material or constitute "prior art." If the Examiner applies the documents as prior art

FINNEGAN
HENDERSON
FARABOW
GARRETT &
DUNNER LLP

1300 I Street, NW
Washington, DC 20005
202.408.4000
Fax 202.408.4400
www.finnegan.com

against any claim in the application and applicants determine that the cited documents do not constitute "prior art" under United States law, applicants reserves the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

Dated: Feb. 23, 2004

By: 

Yitai Hu

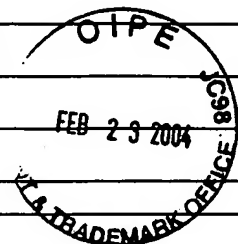
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FINNEGAN
HENDERSON
FARABOW
GARRETT &
DUNNER LLP

1300 I Street, NW
Washington, DC 20005
202.408.4000
Fax 202.408.4400
www.finnegan.com

INFORMATION DISCLOSURE CITATION

Atty. Docket No.	06720.0102-00	Serial No.	10/618,632
Applicant	Wen-Chung LIU et al.		
Filing Date	July 15, 2003	Group:	2631



U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Foschini et al., "Simplified Processing for High Spectral Efficiency Wireless Communication Employing Multi-Element Arrays," IEEE Journal on Selected Areas in Communications, Vol. 17, pp. 1841-1852, November 1999.
	Berrou et al., "Near Optimum Error Correcting Coding and Decoding: Turbo-Codes," IEEE Transactions on Communications, Vol. 44, pp. 1261-1271, October 1996.
	Alamouti, "A Simple Transmit Diversity Technique for Wireless Communications," IEEE Journal on Selected Areas in Communication, Vol. 16, pp. 1451-1458, October 1998.
	Seshadri et al., "Space-Time Codes for High Data Rate Wireless Communication: Performance Criterion and Code Construction," IEEE Transactions on Information Theory, Vol. 44, pp. 744-765, March 1998.
	Stefanov et al., "Turbo-Coded Modulation for Systems with Transmit and Receiver Antenna Diversity Over Block Fading Channels: System, Decoding Approaches, and Practical Considerations," IEEE Journal on Selected Areas in Communication, Vol. 19, pp. 958-968, May 2001.
	Liu et al., "Full Rate Space-Time Turbo Codes," IEEE Journal on Selected Areas in Communications, Vol. 19, pp. 969-980, May 2001.
	G. Bauch, "Concatenation of Space-Time Block Codes and Turbo-TCM," Proc. IEEE International Conference on Communications, Vol. 2, pp. 1202-1206, June 1999.
	Gaspa et al., "Space-Time Coding for UMPT: Performance Evaluation in Combination with Convolutional and Turbo Coding," Proceedings of the 52 nd IEEE Vehicular Technology Conference, Vol. 1, pp. 92-98, September 2000.
	Tarokh et al., "Space-Time Block Coding for Wireless Communications: Performance Results," IEEE Journal on Selected Areas in Communications, Vol. 17, pp. 451-460, March 1999.
	3GPP Standards: "UE Radio Transmission and reception (FDD)," TS 25.101 V5.2.0, March 2002.
	3GPP Standards: "Multiplexing and Channel Coding (FDD)," TS 25.212 V5.0.0, March 2002.

Examiner	Date Considered
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	
Form PTO 1449	Patent and Trademark Office - U.S. Department of Commerce